

ABSTRACT:

Ex. B10

The invention relates to a method and a device for determining the position of a medical instrument (3) that is introduced into an object (1) to be examined and for imaging the vicinity of the medical instrument (3). In order to enable the acquisition of instantaneous position information and image information from the vicinity of the medical instrument for all kinds of medical instruments, in accordance with the invention a localization device that is arranged in the end zone of the medical instrument (3) that is to be introduced determines the position of the medical instrument (3) within the object (1) to be examined; at the same time image information is acquired in the vicinity of the medical instrument (3) by means of an image acquisition device (4) that is arranged on the medical instrument (3) and on the basis of the position thus determined the position of the medical instrument (3) is reproduced in a survey image of the object (1) to be examined and images of the vicinity associated with the relevant position of the object (1) to be examined are displayed on the basis of the image information acquired.

15  Fig. 1